

08/02/99  
JCS83 U.S. PTO

SOFER & HAROUN, L.L.P.  
PATENT FILING TRANSMITTAL

ATTORNEY DOCKET NO: 773-005

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JCS78 U.S. PTO  
09/365446  
08/02/99

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

## PATENT FILING TRANSMITTAL

Transmitted herewith for filing is the Patent Application of: Hirokazu et al.

For: CRYPTOGRAPHIC COMMUNICATION METHOD, ENCRYPTION ALGORITHM SHARED  
CONTROL METHOD, ENCRYPTION ALGORITHM CONVERSION METHOD AND NETWORK  
COMMUNICATION SYSTEM

### TYPE OF FILING

This new patent application is for a(n):

- ☒ Utility
- ☐ Design
- ☐ Plant
- ☐ Divisional
- ☐ Continuation
- ☐ Continuation-in-part

### Benefit of a prior filed application

- ☐ This application claims the benefit of an earlier filed U.S. Patent Application under 35 USC 120.
- ☒ Please accord Applicant the benefit of the priority date of July 31, 1998 to this case pursuant to 35 USC 119. Applicant's claim for priority is based on application Serial No. 10-217732 filed in Japan on that date.

### Filing under 37 CFR 1.53 (Utility) or 37 CFR 1.153 (Design)

- ☐ This is an application filed pursuant to 37 CFR 1.53 or 37 CFR 1.153, permitting receipt of a filing date upon filing of a specification, at least one claim and necessary drawings.
- ☒ In the event any parts of this application are incomplete, please treat this as a filing under 37 CFR 1.53 or 37 CFR 1.153.

### CERTIFICATE OF MAILING (37 CFR 1.10(a))

CERTIFICATE OF MAILING BY "EXPRESS MAIL" - Rule 10: I hereby certify that this correspondence is being deposited with the U. S. Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 as Express Mail No. \_\_\_\_\_ addressed to the Commissioner of Patents & Trademarks, Washington, D.C. 20231 on \_\_\_\_\_ by \_\_\_\_\_.

Date: \_\_\_\_\_

Signed: \_\_\_\_\_

ENCLOSURES

Minimum requirements under 37 CFR 1.53(b) (Utility) or 37 CFR 1.153 (Design)

- ☒ 117 -pages of specification;
- ☒ 16 -page(s) of claims;
- ☒ 1 -page(s) of abstract;
- ☒ 25 sheets of informal drawings;
- ☒ A Declaration, Power of Attorney & Petition or listing of inventors;
- and
- ☒ A postcard for return to us as proof of receipt of the above documents.

plus

- ☒ An Assignment of the invention to Hitachi Ltd. et al and an Assignment cover sheet;
- ☐ Verified Statement Claiming Small Entity Status (37 CFR 1.9(f) and 1.27(b))
- ☐ Form PTO-1449 (IDS) and copies of the references listed thereon;
- ☒ A certified copy of Japanese patent application number 10-217732 (priority document).
- ☐ A preliminary amendment;
- ☐ Declaration of Biological Deposit;
- ☐ Submission of sequence listing, computer readable copy and/or amendment relating thereto for biotechnology invention containing nucleotide and/or amino acid sequence;
- ☐ An associate power of attorney;
- ☐ Other.

DECLARATION OR OATH

The enclosed Declaration or Oath has been executed by:

- ☒ Inventor(s);
- ☐ Legal representative of the inventors (37 CFR 1.42 or 1.43);
- ☐ Joint inventor or person showing proprietary interest on behalf of an inventor who refused to sign or who cannot be reached and this is a petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is attached;
- ☐ Has not been executed and is enclosed for the purposes of identifying the inventors.

INVENTORSHIP STATEMENT

The inventorship for all the claims in this application is:

- ☒ the same.
- ☐ not the same and, as an explanation, a statement is/ will be submitted.

LANGUAGE

The application submitted herewith is:

- ☒ in English;
- ☐ in not in English and in terms of 37 CFR 1.52(d) a verified translation is
  - ☐ attached
  - ☐ not attached.

**FEE CALCULATION**

The filing fee has been calculated as shown below:

			SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
			RATE	FEE		RATE	FEE
BASIC FEE Design Patent			\$155	\$		\$310	\$
BASIC FEE Utility Patent			\$380	\$		\$760	\$
<b>EXTRA FEES</b>							
TOTAL CLAIMS	22	MINUS 20 =	x 9 =	\$		2 x 18 =	\$ 36
INDEP. CLAIMS	18	MINUS 3 =	x 39 =	\$		15 x 78 =	\$ 1,170
<input type="checkbox"/> MULTIPLE DEP. CLAIM			+ 130 =	\$		+ 260 =	\$
<input checked="" type="checkbox"/> ASSIGNMENT			+ 40 =	\$		+ 40 =	\$ 40
<input type="checkbox"/> RULE 53 SURCHARGE			+ 65 =	\$		+ 130 =	\$
<b>TOTAL</b>				\$		\$ 2,006.00	

**FEE PAYMENT**

- ☐ Attached is Check No. \_\_\_\_\_ in the sum of \$\_\_\_\_\_ to cover the filing and, if applicable, the assignment fee.
- ☐ Please charge Account No. 19-2825 the sum of \$\_\_\_\_\_.

**FEE DEFICIENCY**

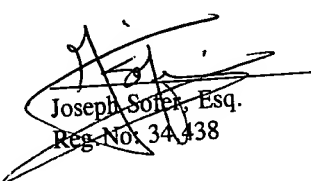
- ☐ The Commissioner is authorized to charge (or credit any overpayment) to deposit account No. 19-2825:
- ☐ Any additional filing fees required under 37 CFR 1.16, except Rule 53 filings, which will be paid within the time permitted by PTOL 1533.
- ☐ Assignment Recordal fees.
- ☒ The filing fee and surcharge under 37 CFR 1.16, patent application processing fees under 37 CFR 1.17 and patent issue fees under 37 CFR 1.18 are intended to be paid by our firm as they arise. As no abandonment is intended by any inadvertent nonpayment of fees, the Commissioner is hereby authorized to charge payment of such fees as from time to time come due, if not paid prior to due date to our Deposit Account No. 19-2825.
- ☐ A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Dated: 8/2/99

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PATENT

Docket No. 773-005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Ougi et al. Group Art Unit: Not yet assigned  
Serial No. : Not yet assigned Examiner: Not yet assigned  
Filed : August 2, 1999  
For : CRYPTOGRAPHIC COMMUNICATION METHOD, ENCRYPTION  
ALGORITHM SHARED CONTROL METHOD, ENCRYPTION ALGORITHM CONVERSION METHOD  
AND NETWORK COMMUNICATION SYSTEM

## EXPRESS MAIL CERTIFICATE

Express Mail Label No. EL425899118US

Date of Deposit August 2, 1999

I hereby certify that the following attached paper(s) or fee

- 1) U.S. Patent Application (134 pages incl. Specification, Claims and Abstract)
- 2) Drawings (Sheets 1-25)
- 3) Declaration - executed
- 4) Patent Transmittal
- 5) Express Mail Certificate
- 6) Return Postcard
- 7) Assignment
- 8) Assignment Recordation Sheet
- 9) Foreign Priority Document (Japanese Application No. 10-217732)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37

C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks,

Washington, D.C. 20231.

**Thomas C. Hughes**

(Typed or printed name of person mailing paper(s) for fee)

(Signature of person mailing  
paper(s) or fee)

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